

**MANITOBA VITAL STATISTICS**

**A REGIONAL ANALYSIS**

**1998**

**MBS 99-11**

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Manitoba  
Bureau of  
Statistics



## **EXECUTIVE SUMMARY**

### **LIVE BIRTHS**

There were 14,348 live births in Manitoba during 1998. Of these, 9,966 (69.5%) occurred in Winnipeg. The Winnipeg region had the highest birth rate with 15.9 births per thousand population, followed by the North with a birth rate of 12.3. The lowest birth rates were in the Interlake and Southeast regions, with rates of 4.0 and 4.9 respectively. For Manitoba, the birth rate was 12.6 births per thousand population.

There were 6,942 (48.4%) female births and 7,405 (51.6%) male births. For every thousand females in the population there were 12.1 female births, compared to 13.1 male births for every thousand males in the population. The Parklands and North were the only two regions that recorded a higher number of female births than male births.

### **DEATHS**

There were 9,723 deaths in Manitoba during 1998. There were 5,726 (58.9%) in Winnipeg alone. The regions with the highest death rates were the Parklands and the Southwest regions with 12.7 and 11.0 deaths per thousand population. The North region had the lowest death rate with 4.0, followed by the Southeast with a rate of 5.6. The death rate for Manitoba was 8.5.

There were 4,705 (48.4%) female deaths, compared to 5,018 (51.6%) male deaths. The male death rate was higher than the female death rate in six of Manitoba's eight Economic Regions. At the Manitoba level, the male death rate was 8.9, while the female death rate was 8.2.

### **STILLBIRTHS**

The number of stillbirths in Manitoba in 1998 was 115. Of these stillbirths, 97 (84.3%) occurred in Winnipeg. The Southwest had the second highest number with 7 (6.1%) stillbirths, followed by the South Central region with 5 stillbirths (4.3%) and the North region with 3 stillbirths (2.6%). The North Central, Interlake and Parklands regions each reported 1 stillbirth (0.9%) while the Southeast region reported no stillbirths during 1998.

The rate of female stillbirth was 7.2 per thousand female live births and the rate of male stillbirth was 8.6 per thousand male live births.

### **NATURAL INCREASE**

In 1998, Manitoba had a net population gain of 4,625 persons due to natural increase. Manitoba's rate of natural increase in 1998 was 4.1 persons per thousand population. The Interlake region had the largest rate of natural decrease of 3.4 persons per thousand. Three other regions recorded a small net loss during 1998. The North region had the greatest rate of natural increase, that being 8.3, followed by Winnipeg with a rate of 6.8 per thousand.

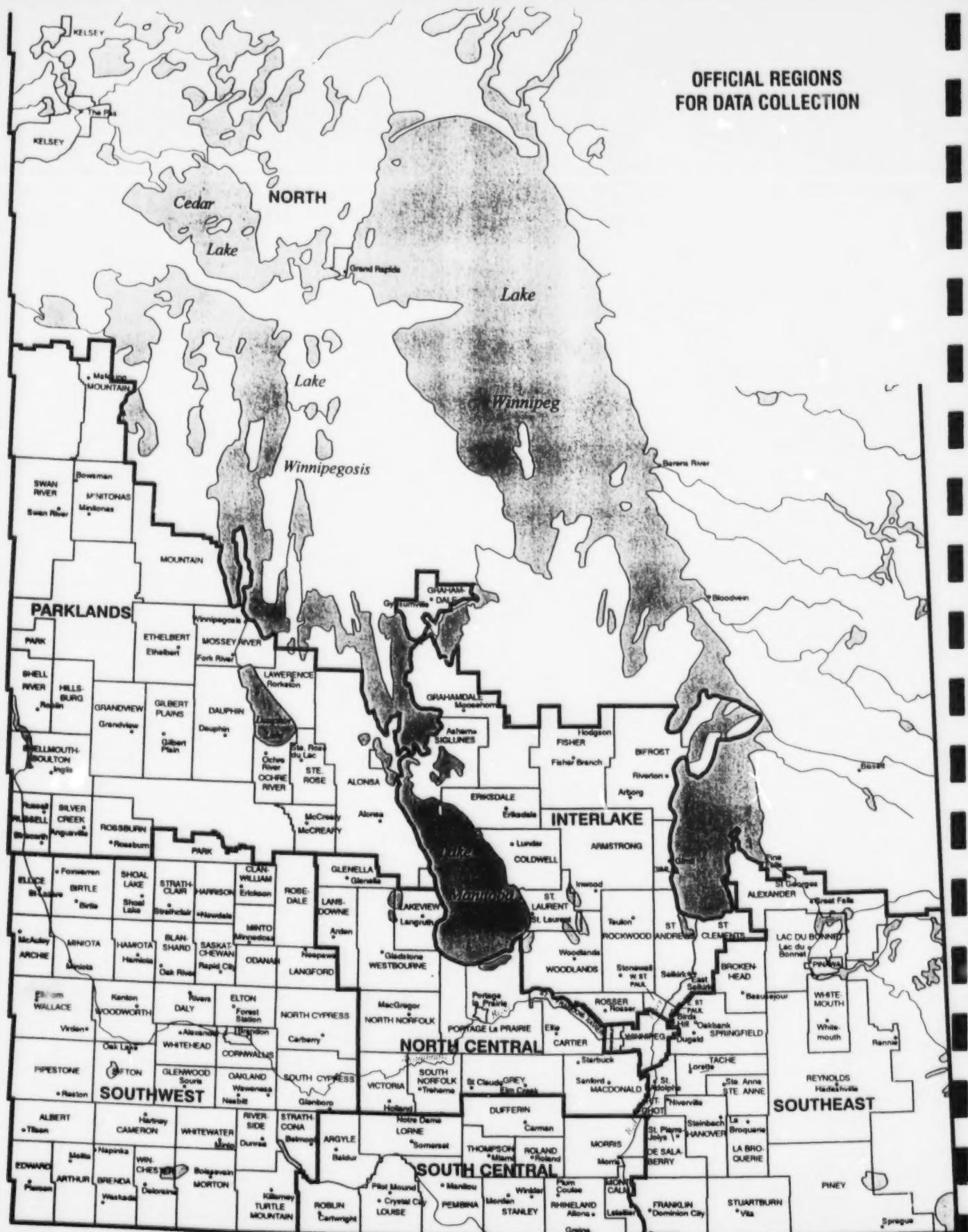
Rates at the Manitoba level were 3.9 females per thousand and 4.2 males per thousand. Rates in Winnipeg were 5.7 females per thousand and 7.8 males per thousand.



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## **OFFICIAL REGIONS FOR DATA COLLECTION**



## **INTRODUCTION**

This report presents data on the vital statistics (births, deaths, and stillbirths) occurring during 1998 in the province of Manitoba. Historical data from 1984 to 1997 is available in previous Manitoba Bureau of Statistics reports. The charts and tables in this report were constructed using data that was reported by the Vital Statistics Agency, Manitoba Consumer and Corporate Affairs.

This data refers to events that occurred in Manitoba and involved Manitobans by place of occurrence. Where all characteristics of an event have not been recorded, the vital event has been omitted from that statistical table.

The population figures used are from the Statistics Canada July 1, 1998 postcensal estimates of population. Where population estimates are not available, population projections from the Manitoba Bureau of Statistics have been used to derive the approximate distribution of the population by age and sex. The Statistics Canada estimate was then broken down according to this distribution.

Manitoba is divided into 8 Official Regions for Data Collection (also known as Economic Regions). The following table illustrates the association between data collection region, economic region, and census division.

OFFICIAL REGION FOR DATA COLLECTION	ECONOMIC REGION	CENSUS DIVISION
Southeast	10	1, 2, 12
South Central	20	3, 4
Southwest	30	5, 6, 7, 15
North Central	40	8, 9, 10
Winnipeg	50	11
Interlake	60	13, 14, 18
Parklands	70	16, 17, 20
North	80	19, 21, 22, 23

The map on the opposite page also illustrates these relationships.

Further information and custom tabulations on the 1998 vital statistics can be obtained from the Manitoba Bureau of Statistics by contacting David Greenwood at (204) 945-2989.

TABLE VIII presents Manitoba deaths during 1998 by cause of death. The causes of death are coded according to the "Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death", based on the Ninth Revision Conference, 1975.

The following lists the major causes of death and their three digit codes:

Infectious and Parasitic Diseases (001 - 139)

Cancer (140 - 208)

Diabetes (250)

Psychoses (290 - 299)

Nonpsychotic Mental Disorders (300 - 316)

Hereditary and Degenerative Central Nervous System (330 - 337)

Hypertensive Disease (401 - 405)

Heart Disease (410 - 429)

Cerebrovascular Disease (430 - 438)

Diseases of Arteries, Arterioles, Capillaries (440 - 448)

Pneumonia (480 - 486)

Chronic Obstructive Pulmonary Disease (490 - 496)

Other Respiratory Diseases (510 - 519)

Diseases of Oesophagus, Stomach and Duodenum (530 - 537)

Noninfective Enteritis and Colitis (555 - 558)

Other Intestinal and Peritoneum Diseases (560 - 569)

Other Diseases of the Digestive System (570 - 579)

Nephritis, Nephrotic Syndrome, Nephrosis (580 - 589)

Ill-Defined and Unknown Causes (797 - 799)

Accidents (800 - 949)

Other Causes (210 - 246, 251 - 289, 317 - 326, 340 - 398, 451 - 478, 487,  
500 - 508, 520 - 529, 540 - 553, 560 - 569, 590 - 796, 950 - 999)

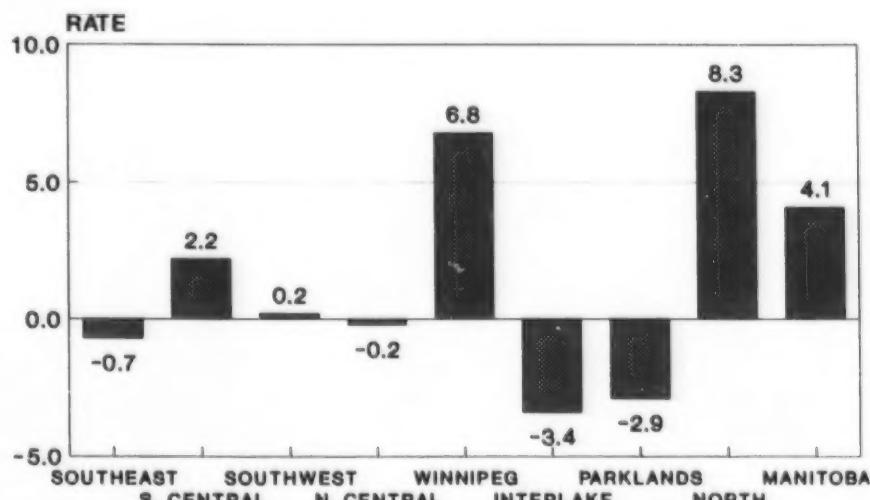
TABLE I MANITOBA 1998 VITAL STATISTICS BY ECONOMIC REGION

REGION	POPULATION IN 000'S (JULY 1/98)	LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE	RATES			
						LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE
SOUTHEAST	86.6	423	0	482	-59	4.9	0.0	5.6	-0.7
SOUTH CENTRAL	52.6	571	5	453	118	10.9	8.8	8.6	2.2
SOUTHWEST	106.3	1,189	7	1,171	18	11.2	5.9	11.0	0.2
NORTH CENTRAL	48.5	325	1	334	-9	6.7	3.1	6.9	-0.2
WINNIPEG	627.1	9,966	97	5,726	4,240	15.9	9.7	9.1	6.8
INTERLAKE	82.3	326	1	608	-282	4.0	3.1	7.4	-3.4
PARKLANDS	46.6	460	1	594	-134	9.9	2.2	12.7	-2.9
NORTH	88.8	1,088	3	355	733	12.3	2.8	4.0	8.3
MANITOBA	1,138.9	14,348	115	9,723	4,625	12.6	8.0	8.5	4.1

NOTE: RATES FOR LIVE BIRTHS, DEATHS, AND NATURAL INCREASE ARE PER 1000 POPULATION.  
RATE FOR STILLBIRTHS IS PER 1000 LIVE BIRTHS.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS  
STATISTICS CANADA

### RATES OF NATURAL INCREASE BY ECONOMIC REGION: 1998 BOTH SEXES



RATES ARE PER 1000 POPULATION

TABLE II MANITOBA 1998 VITAL STATISTICS BY ECONOMIC REGION

FEMALES

REGION	POPULATION IN 000'S (JULY 1/98)	LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE	RATES			
						LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE
SOUTHEAST	42.5	207	0	215	-8	4.9	0.0	5.1	-0.2
SOUTH CENTRAL	26.2	279	1	203	76	10.7	3.6	7.8	2.9
SOUTHWEST	54.0	583	4	528	55	10.8	6.9	9.8	1.0
NORTH CENTRAL	24.0	146	0	169	-23	6.1	0.0	7.0	-1.0
WINNIPEG	321.6	4,777	42	2,935	1,842	14.9	8.8	9.1	5.7
INTERLAKE	40.1	163	1	272	-109	4.1	6.1	6.8	-2.7
PARKLANDS	23.3	233	0	253	-20	10.0	0.0	10.9	-0.9
NORTH	42.8	554	2	130	424	12.9	3.6	3.0	9.9
MANITOBA	574.4	6,942	50	4,705	2,237	12.1	7.2	8.2	3.9

TABLE III MANITOBA 1998 VITAL STATISTICS BY ECONOMIC REGION

MALES

REGION	POPULATION IN 000'S (JULY 1/98)	LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE	RATES			
						LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE
SOUTHEAST	44.2	216	0	267	-51	4.9	0.0	6.0	-1.2
SOUTH CENTRAL	26.4	292	4	250	42	11.1	13.7	9.5	1.6
SOUTHWEST	52.3	606	3	643	-37	11.6	5.0	12.3	-0.7
NORTH CENTRAL	24.5	179	1	165	14	7.3	5.6	6.7	0.6
WINNIPEG	305.5	5,188	54	2,791	2,397	17.0	10.4	9.1	7.8
INTERLAKE	42.2	163	0	336	-173	3.9	0.0	8.0	-4.1
PARKLANDS	23.4	227	1	341	-114	9.7	4.4	14.6	-4.9
NORTH	46.0	534	1	225	309	11.6	1.9	4.9	6.7
MANITOBA	564.5	7,405	64	5,018	2,387	13.1	8.6	8.9	4.2

NOTE: RATES FOR LIVE BIRTHS, DEATHS, AND NATURAL INCREASE ARE PER 1000 POPUALTION.

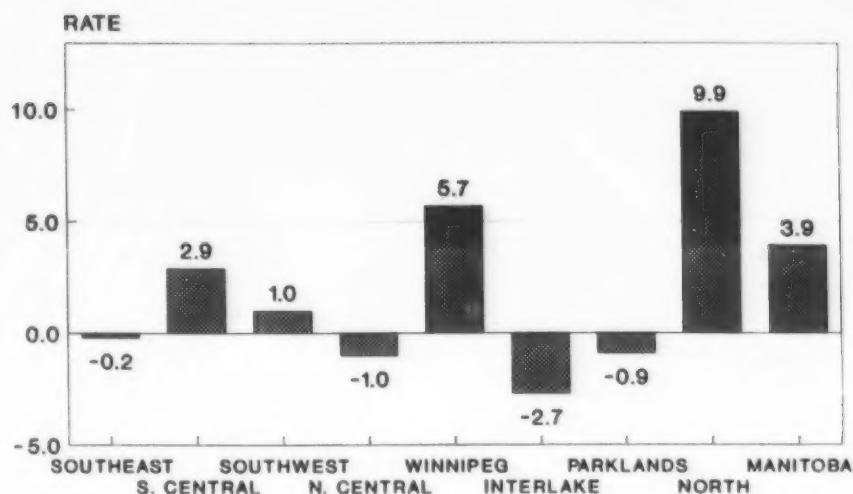
RATE FOR STILLBIRTHS IS PER 1000 LIVE BIRTHS.

ONE WINNIPEG LIVE BIRTH NOT CODED TO SEX.

ONE WINNIPEG STILLBIRTH NOT CODED TO SEX.

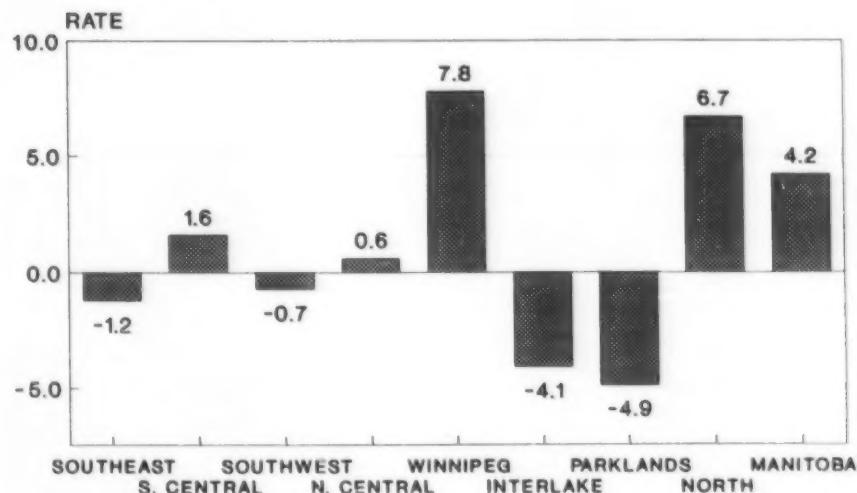
DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS  
STATISTICS CANADA

RATES OF NATURAL INCREASE  
BY REGION: 1998  
FEMALE



RATES ARE PER 1000 POPULATION

RATES OF NATURAL INCREASE  
BY REGION: 1998  
MALE



RATES ARE PER 1000 POPULATION

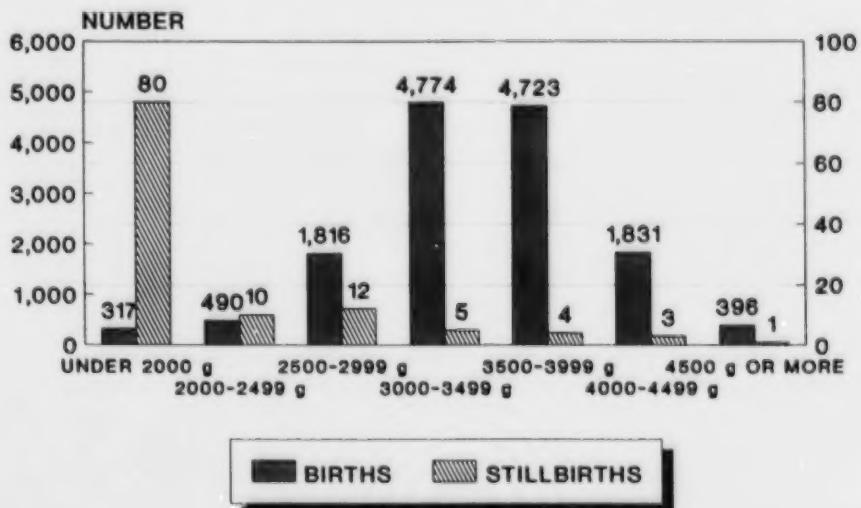
TABLE IV MANITOBA 1998 BIRTHS AND STILLBIRTHS BY WEIGHT

WEIGHT	BOTH SEXES			FEMALES			MALES		
	LIVE BIRTHS	STILL BIRTHS	STILL BIRTH RATE	LIVE BIRTHS	STILL BIRTHS	STILL BIRTH RATE	LIVE BIRTHS	STILL BIRTHS	STILL BIRTH RATE
UNDER 500G	21	39	1,857.1	10	15	1,500.0	11	23	2,090.9
500 - 999G	72	19	263.9	34	11	323.5	38	8	210.5
1000-1499G	71	13	183.1	36	5	138.9	35	8	228.6
1500-1999G	153	9	58.8	75	4	53.3	78	5	64.1
2000-2499G	490	10	20.4	253	3	11.9	237	7	29.5
2500-2999G	1,816	12	6.6	994	10	10.1	822	2	2.4
3000-3499G	4,774	5	1.0	2,526	0	0.0	2,248	5	2.2
3500-3999G	4,723	4	0.8	2,146	0	0.0	2,578	4	1.6
4000-4499G	1,831	3	1.6	737	1	1.4	1,094	2	1.8
4500-4999G	346	1	2.9	113	1	8.8	233	0	0.0
5000-5499G	45	0	0.0	15	0	0.0	30	0	0.0
5500-5999G	3	0	0.0	1	0	0.0	2	0	0.0
6000-6499G	2	0	0.0	1	0	0.0	1	0	0.0
OVER 6500G	0	0	n/a	0	0	n/a	0	0	n/a
UNKNOWN	1	0	0.0	1	0	0.0	0	0	n/a
TOTALS	14,348	115	8.0	6,942	50	7.2	7,405	64	8.6

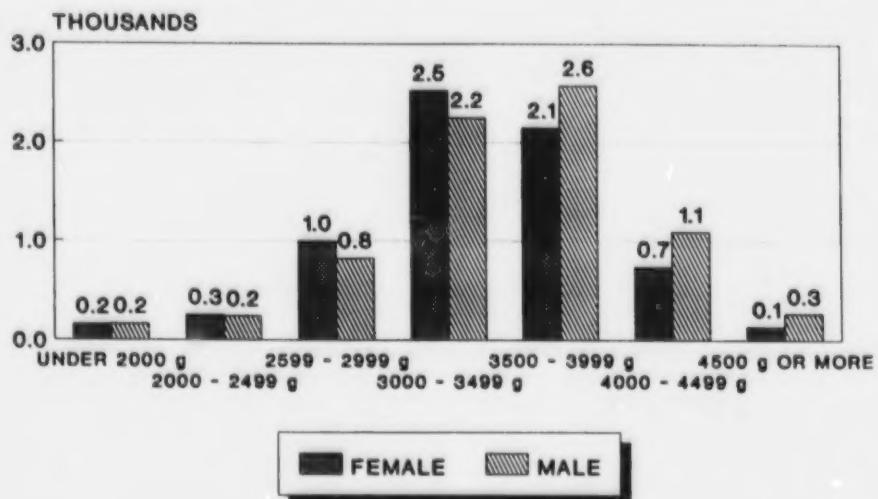
NOTE: STILLBIRTH RATE IS PER 1000 LIVE BIRTHS.  
 ONE 3500 - 3999 G BIRTH NOT CODED TO SEX.  
 ONE UNDER 500 G STILLBIRTH NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

### BIRTHS AND STILLBIRTHS BY WEIGHT 1998



**MANITOBA LIVE BIRTHS  
BY WEIGHT AND SEX  
1998**



**MANITOBA STILLBIRTHS  
BY WEIGHT AND SEX  
1998**

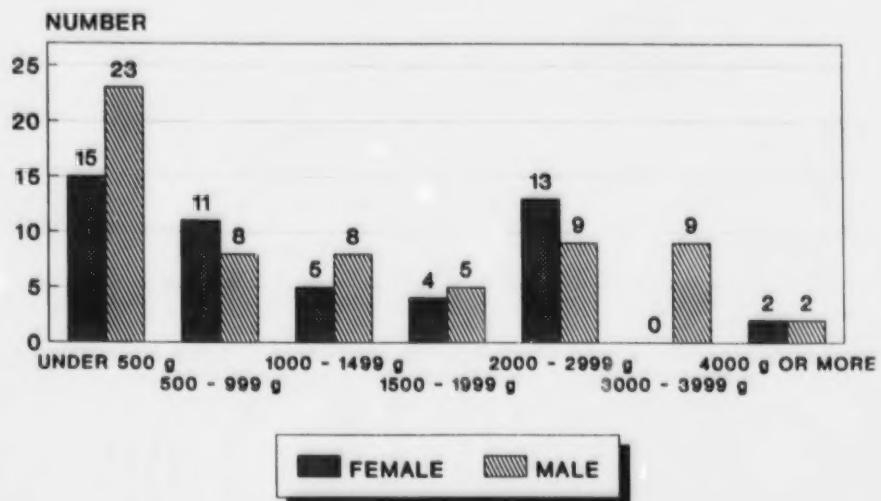
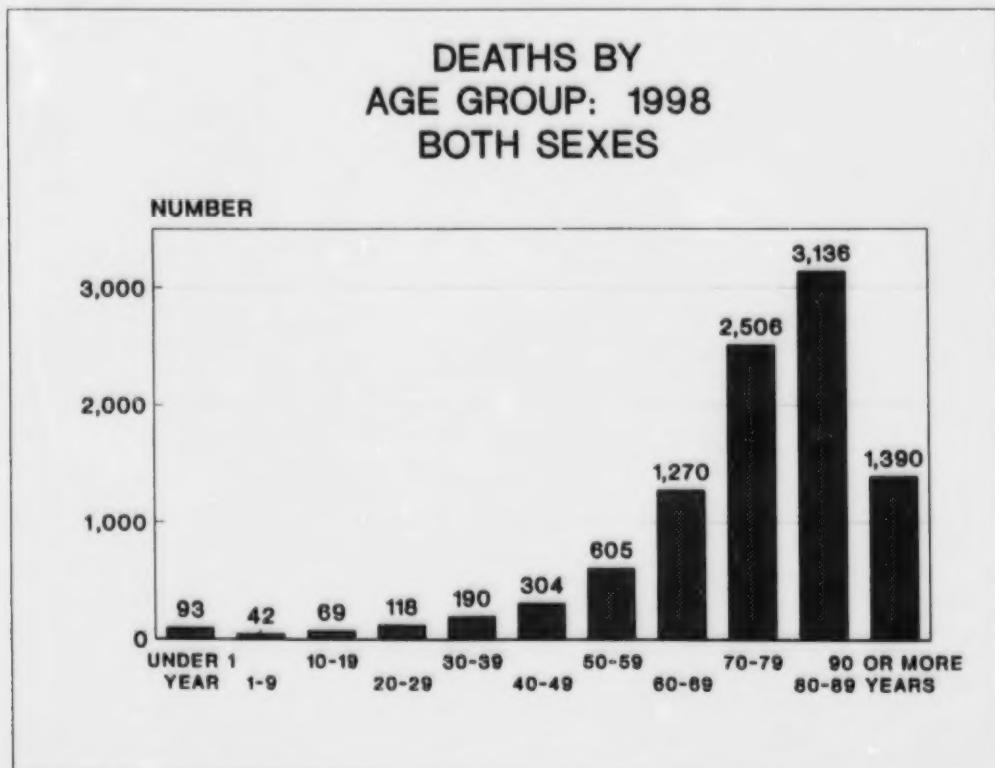


TABLE V MANITOBA 1998 DEATHS BY AGE GROUP AND SEX

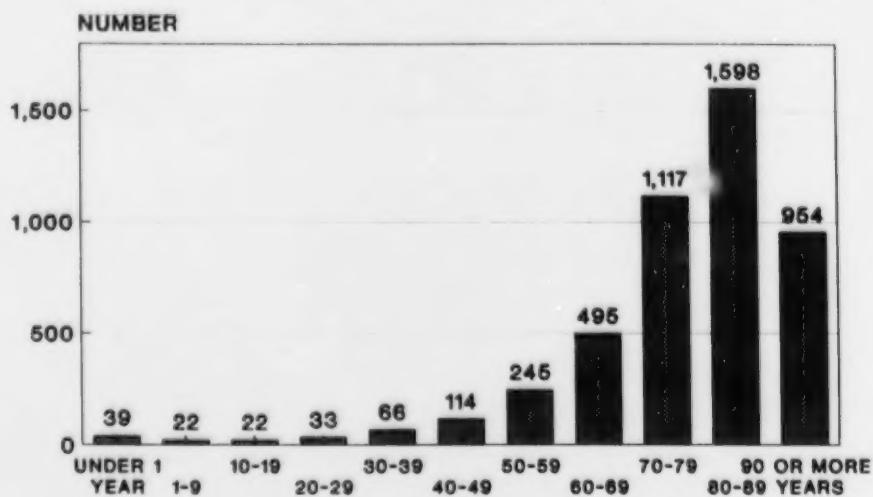
AGE IN YEARS	BOTH SEXES			FEMALES			MALES		
	POPULATION IN 000'S JULY 1/98	DEATHS	DEATH RATE	POPULATION IN 000'S JULY 1/98	DEATHS	DEATH RATE	POPULATION IN 000'S JULY 1/98	DEATHS	DEATH RATE
UNDER 1	15.2	93	6.1	7.5	39	5.2	7.8	54	7.0
1 - 4	63.9	25	0.4	31.2	10	0.3	32.7	15	0.5
5 - 9	83.7	17	0.2	40.8	12	0.3	42.9	5	0.1
10-14	81.8	16	0.2	39.8	7	0.2	42.0	9	0.2
15-19	79.6	53	0.7	38.9	15	0.4	40.7	38	0.9
20-24	78.0	59	0.8	37.8	15	0.4	40.2	44	1.1
25-29	78.5	59	0.8	38.3	18	0.5	40.2	41	1.0
30-34	83.7	73	0.9	41.0	23	0.6	42.7	50	1.2
35-39	94.0	117	1.2	46.3	43	0.9	47.7	74	1.6
40-44	88.2	119	1.3	43.8	46	1.0	44.3	73	1.6
45-49	77.6	185	2.4	38.8	68	1.8	38.8	117	3.0
50-54	65.8	234	3.6	32.8	93	2.8	33.0	141	4.3
55-59	50.3	371	7.4	25.4	152	6.0	24.9	219	8.8
60-64	43.7	517	11.8	22.1	205	9.3	21.5	312	14.5
65-69	41.7	753	18.1	21.8	290	13.3	19.9	463	23.3
70-74	38.8	1,040	26.8	21.4	427	20.0	17.4	613	35.3
75-79	33.0	1,466	44.4	19.6	690	35.1	13.4	776	57.9
80-84	22.1	1,652	74.7	13.7	771	56.3	8.4	881	104.6
85-89	12.7	1,484	116.5	8.4	827	98.3	4.3	657	152.1
90 & OVER	6.5	1,390	214.7	4.8	954	199.2	1.7	436	258.9
TOTALS	1,138.9	9,723	8.5	574.4	4,705	8.2	564.5	5,018	8.9

NOTE: DEATH RATE IS DEATHS PER 1000 POPULATION.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS  
STATISTICS CANADA



**DEATHS BY  
AGE GROUP: 1998  
FEMALES**



**DEATHS BY  
AGE GROUP: 1998  
MALES**

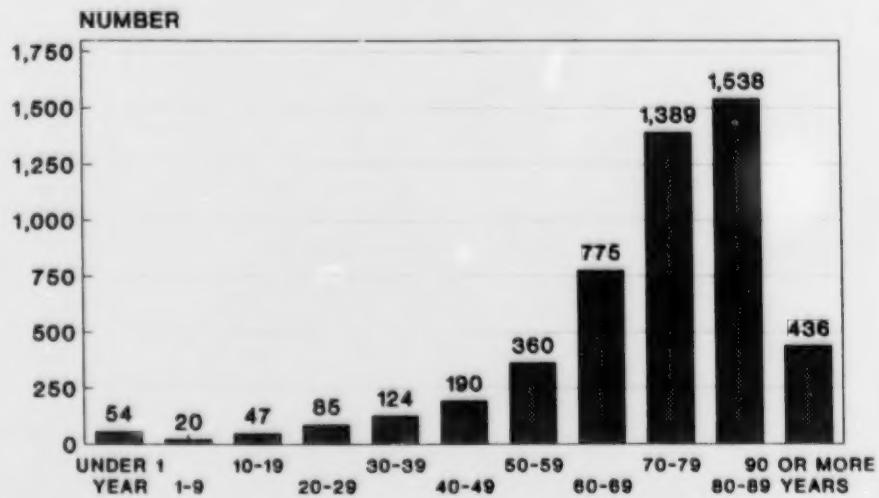


TABLE VI MANITOBA 1998 INFANT DEATHS BY AGE

AGE	BOTH SEXES		FEMALES		MALES	
	DEATHS	DEATH RATE	DEATHS	DEATH RATE	DEATHS	DEATH RATE
UNDER 1 DAY	35	2.4	14	2.0	21	2.8
1 - 6 DAYS	16	1.1	9	1.3	7	0.9
7 - 13 DAYS	3	0.2	1	0.1	2	0.3
14 - 27 DAYS	11	0.8	3	0.4	8	1.1
28 - 91 DAYS	15	1.0	7	1.0	8	1.1
92 DAYS - 6 MONTHS	8	0.6	2	0.3	6	0.8
6 MONTHS - 1 YEAR	5	0.3	3	0.4	2	0.3
NEONATAL	65	4.5	27	3.9	38	5.1
POST-NEONATAL	28	2.0	12	1.7	16	2.2
INFANT	93	6.5	39	5.6	54	7.3
PERINATAL	166	11.5	73	10.4	92	12.3

NOTE: INFANT DEATH (UNDER 1 YEAR) RATES ARE PER 1000 LIVE BIRTHS.

PERINATAL DEATH RATES ARE PER 1000 TOTAL BIRTHS.

NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS.

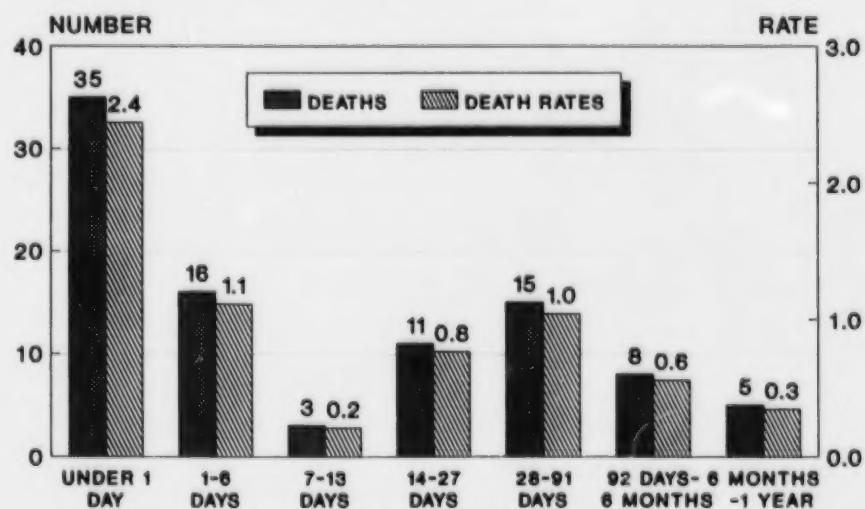
POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER.

PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH.

ONE STILLBIRTH NOT CODED TO SEX.

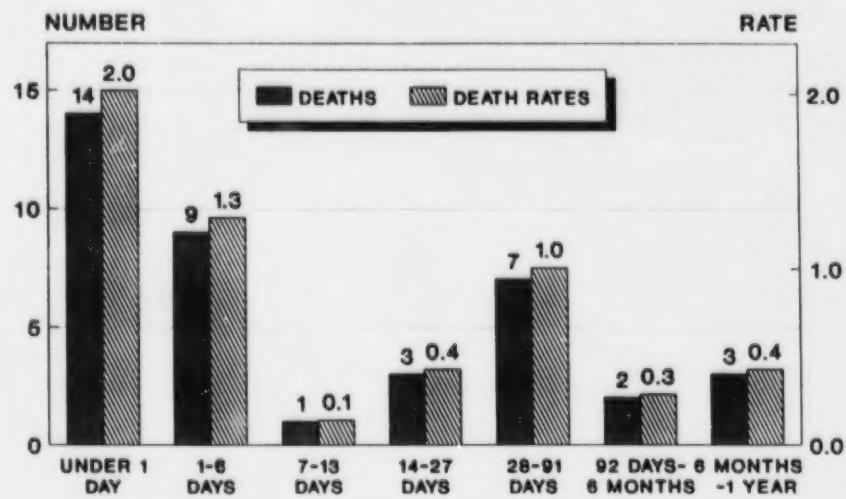
DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

### INFANT DEATHS AND DEATH RATES BY AGE GROUP: 1998 BOTH SEXES



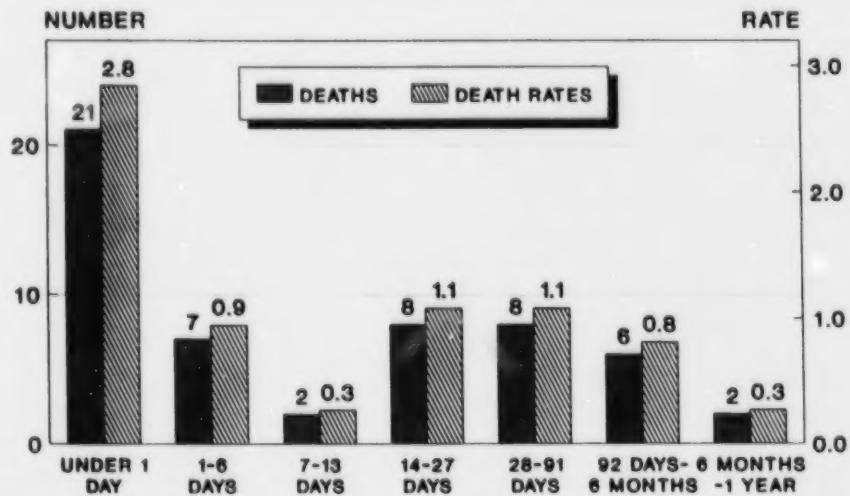
RATES ARE PER 1000 LIVE BIRTHS

**INFANT DEATHS AND DEATH RATES  
BY AGE GROUP: 1998  
FEMALES**



RATES ARE PER 1000 LIVE BIRTHS

**INFANT DEATHS AND DEATH RATES  
BY AGE GROUP: 1998  
MALES**



RATES ARE PER 1000 LIVE BIRTHS

TABLE VII MANITOBA 1998 INFANT DEATHS BY TYPE AND ECONOMIC REGION BOTH SEXES

	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH MANITOBA
<b>TYPE</b>								
INFANT	2	1	4	2	74	1	1	8
NEONATAL	1	1	2	1	55	1	1	3
POST-NEONATAL	1	0	2	1	19	0	0	5
STILLBIRTHS	0	5	7	1	97	1	1	3
PERINATAL	1	6	9	2	140	1	2	5
<b>RATE (per 1,000 live births)</b>								
INFANT	4.7	1.8	3.4	6.2	7.4	3.1	2.2	7.4
STILLBIRTHS	0.0	8.8	5.9	3.1	9.7	3.1	2.2	2.8
PERINATAL (per 1,000 total births)	2.4	10.4	7.5	6.1	13.9	3.1	4.3	4.6
								11.5

NOTE: INFANT DEATH (UNDER 1 YEAR) RATES ARE PER 1000 LIVE BIRTHS.

PERINATAL DEATH RATES ARE PER 1000 TOTAL BIRTHS.

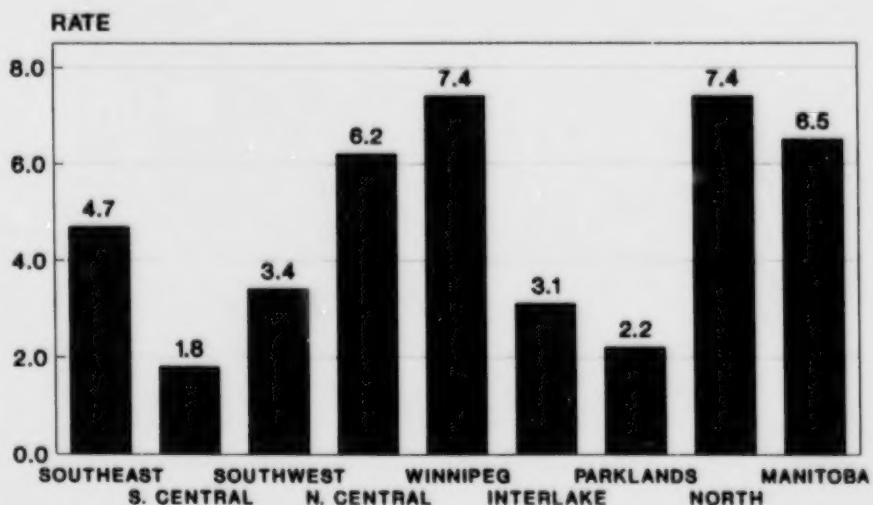
NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS.

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PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH.

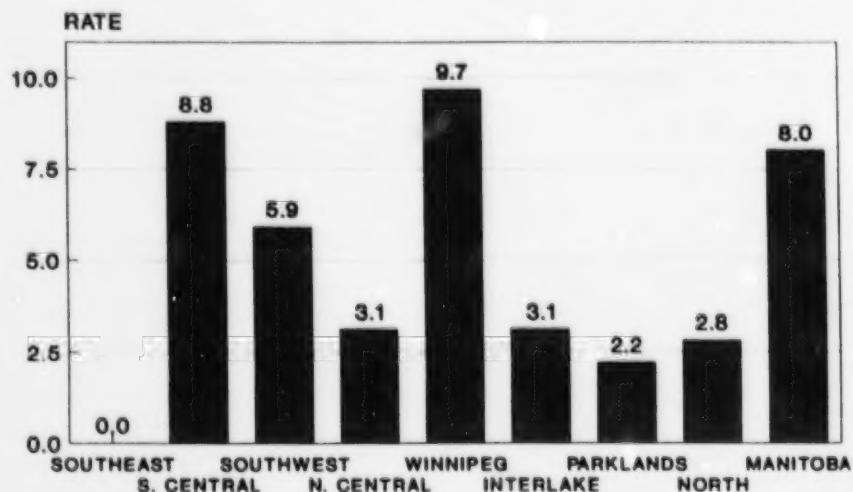
DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

**INFANT DEATH RATES  
BY ECONOMIC REGION: 1998  
BOTH SEXES**



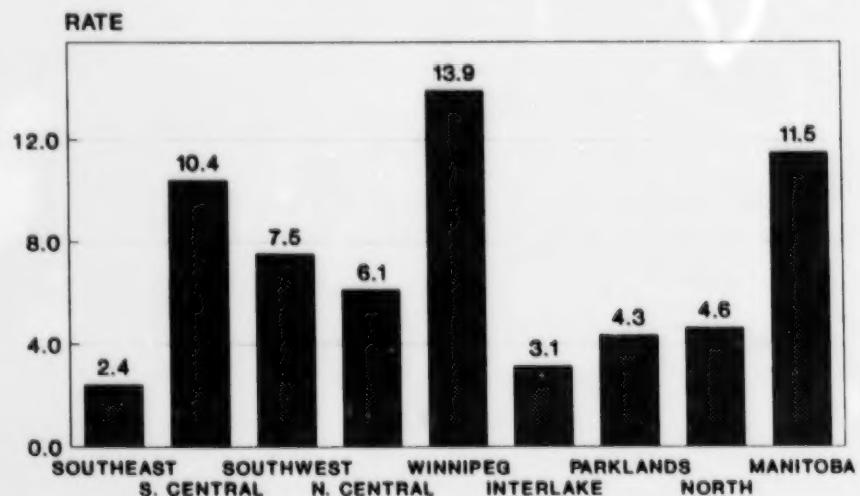
RATES ARE PER 1000 LIVE BIRTHS

**STILLBIRTH RATES  
BY ECONOMIC REGION: 1998  
BOTH SEXES**



RATES ARE PER 1000 LIVE BIRTHS

**PERINATAL RATES  
BY ECONOMIC REGION: 1998  
BOTH SEXES**



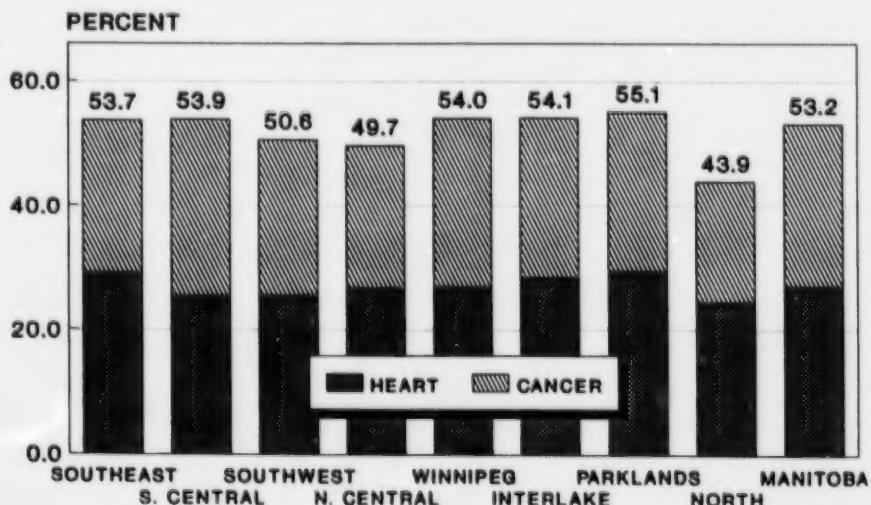
RATES ARE PER 1000 TOTAL BIRTHS

TABLE VIII MANITOBA 1998 DEATHS BY CAUSE OF DEATH AND ECONOMIC REGION BOTH SEXES

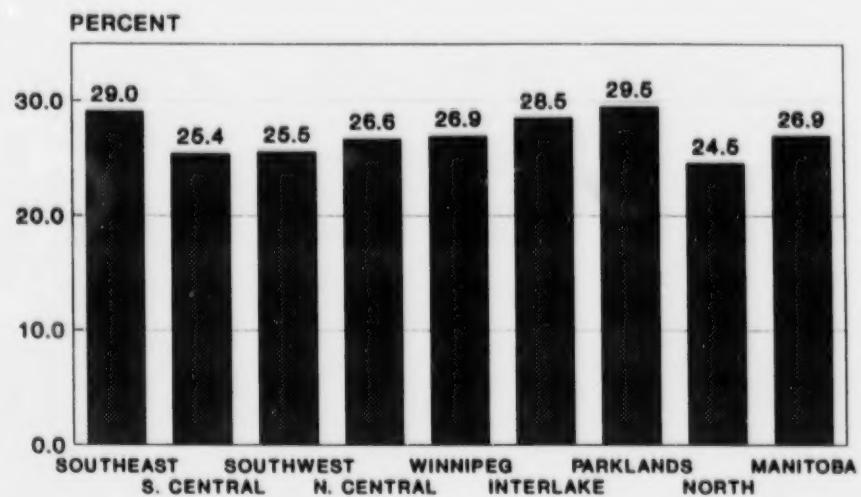
	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH	WINNIPEG	INTERLAKE	PARKLANDS	NORTH MANITOBA	
HEART DISEASE	140	115	299	89	1,540	173	175	87	2,618
CANCER	119	129	294	77	1,554	156	152	69	2,550
CEREBROVASCULAR DISEASE	32	34	98	25	489	46	53	14	791
PNEUMONIA	28	18	65	27	189	46	26	9	408
ACCIDENTS	25	22	51	19	190	21	27	48	403
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	9	17	57	12	234	20	32	11	392
DIABETES	22	15	16	13	122	22	15	13	238
DISEASES OF ARTERIES, ARTERIOLES, CAPILLARIES	6	7	27	8	145	11	15	1	220
PSYCHOSES	10	9	31	8	138	16	6	1	219
HEREDITARY AND DEGENERATIVE CENTRAL NERVOUS SYSTEM	7	12	27	4	105	12	9	4	180
NEPHRITIS, NEPHROTIC SYNDROME, NEPHROSIS	8	8	22	10	98	7	11	6	170
OTHER DISEASES OF THE DIGESTIVE SYSTEM	5	8	17	3	104	11	4	12	164
INFECTIOUS AND PARASITIC DISEASES	2	0	7	3	68	4	7	2	93
OTHER RESPIRATORY DISEASES	4	1	20	1	54	4	3	2	89
OTHER INTESTINAL AND PERITONEUM	2	6	8	0	55	4	5	1	81
HYPERTENSIVE DISEASE	1	5	9	0	26	2	9	3	55
NONINFECTION ENTERITIS AND COLITIS	4	1	3	1	39	3	1	0	52
DISEASES OF OESOPHAGUS, STOMACH AND DUODENUM	2	0	12	2	28	0	3	4	51
NONPSYCHOTIC MENTAL DISORDERS	2	1	6	1	31	2	1	7	51
ILL-DEFINED AND UNKNOWN CAUSES	13	10	23	8	50	15	9	16	144
OTHER CAUSES	41	35	79	23	467	33	31	45	754
TOTAL	482	453	1,171	334	5,726	608	594	355	9,723

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

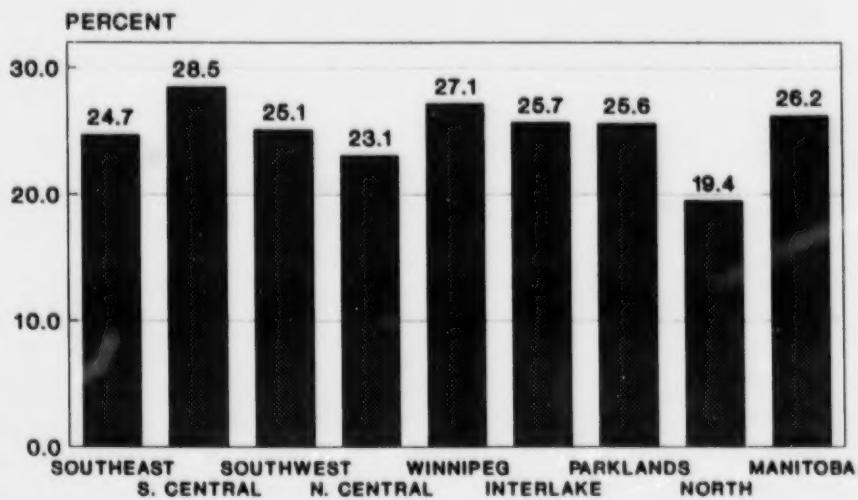
DEATHS DUE TO HEART DISEASE AND CANCER  
AS A PERCENT OF REGIONAL TOTAL: 1998  
BOTH SEXES



**DEATHS DUE TO HEART DISEASE  
AS A PERCENT OF REGIONAL TOTAL: 1998  
BOTH SEXES**



**DEATHS DUE TO CANCER  
AS A PERCENT OF REGIONAL TOTAL: 1998  
BOTH SEXES**





**APPENDIX A**

**BIRTHS BY WEIGHT AND ECONOMIC REGION**

TABLE A1

## BIRTHS BY WEIGHT AND ECONOMIC REGION: 1998

FEMALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	0	1	0	0	8	0	0	1	10
500- 999G	1	2	1	0	29	1	0	0	34
1000-1499G	0	0	0	0	35	0	0	1	36
1500-1999G	0	1	6	0	68	0	0	0	75
2000-2499G	2	4	20	2	206	2	6	11	253
2500-2999G	26	27	64	13	733	17	40	74	994
3000-3499G	85	90	218	44	1,769	57	69	194	2,526
3500-3999G	71	101	196	60	1,401	53	83	181	2,146
4000-4499G	19	48	73	22	442	28	33	72	737
4500-4999G	3	5	4	5	74	5	1	16	113
5000-5499G	0	0	1	0	10	0	1	3	15
5500-5999G	0	0	0	0	1	0	0	0	1
6000G OR MORE	0	0	0	0	1	0	0	0	1
UNKNOWN	0	0	0	0	0	0	0	1	1
TOTAL	207	279	583	146	4,777	163	233	554	6,942

NOTE: ONE 3500 TO 3999G WINNIPEG BIRTH NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

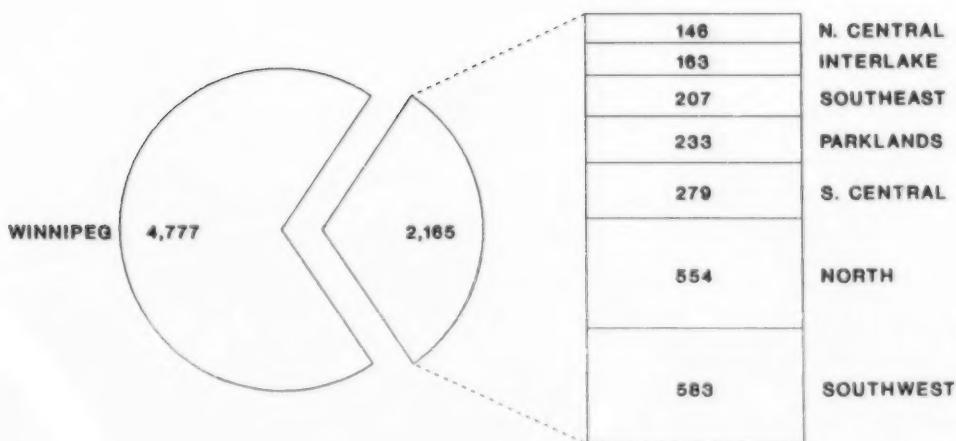
BIRTHS BY  
ECONOMIC REGION: 1998  
FEMALES

TABLE A2

## BIRTHS BY WEIGHT AND ECONOMIC REGION: 1998

MALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	0	1	2	0	8	0	0	0	11
500-999G	2	1	2	1	31	0	0	1	38
1000-1499G	0	0	0	0	33	0	0	2	35
1500-1999G	0	0	2	0	72	0	1	3	78
2000-2499G	1	2	14	0	203	1	1	15	237
2500-2999G	19	27	69	18	607	10	19	53	822
3000-3499G	69	83	181	53	1,610	51	65	136	2,248
3500-3999G	83	118	221	64	1,725	68	99	198	2,576
4000-4499G	36	51	92	35	720	25	37	98	1,094
4500-4999G	4	8	21	7	156	8	4	25	233
5000-5499G	2	1	1	1	21	0	1	3	30
5500-5999G	0	0	0	0	2	0	0	0	2
6000G OR MORE	0	0	1	0	0	0	0	0	1
UNKNOWN	0	0	0	0	0	0	0	0	0
TOTAL	216	292	606	179	5,188	163	227	534	7,405

NOTE: ONE 3500 TO 3999G WINNIPEG BIRTH NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

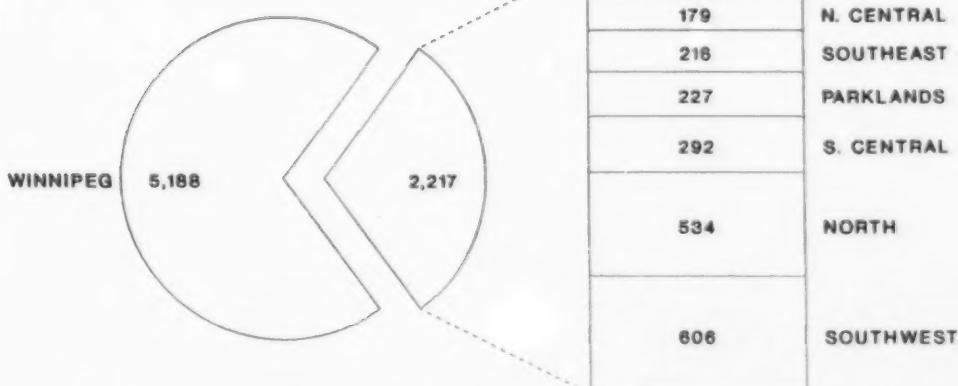
BIRTHS BY  
ECONOMIC REGION: 1998  
MALES

TABLE A3

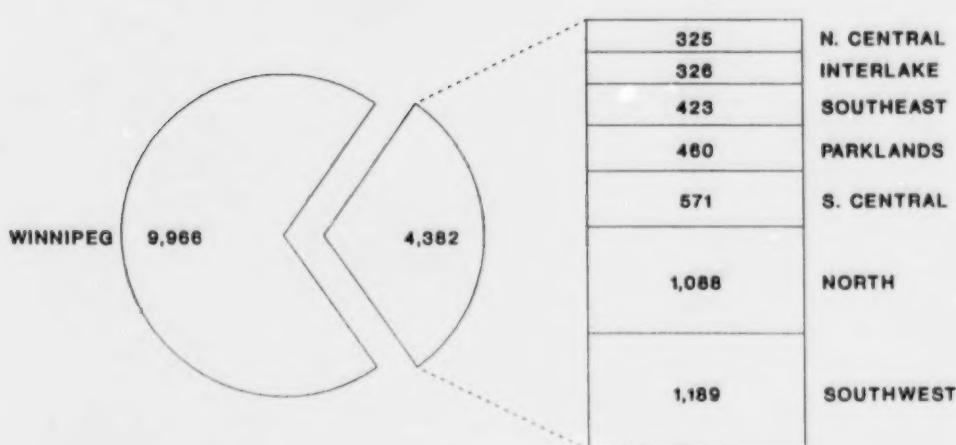
## BIRTHS BY WEIGHT AND ECONOMIC REGION: 1998

BOTH SEXES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	0	2	2	0	16	0	0	1	21
500-999G	3	3	3	1	60	1	0	1	72
1000-1499G	0	0	0	0	68	0	0	3	71
1500-1999G	0	1	8	0	140	0	1	3	153
2000-2499G	3	6	34	2	409	3	7	26	490
2500-2999G	45	54	133	31	1,340	27	59	127	1,816
3000-3499G	154	173	399	97	3,379	108	134	330	4,774
3500-3999G	154	219	417	124	3,127	121	182	379	4,723
4000-4499G	55	99	165	57	1,162	53	70	170	1,831
4500-4999G	7	13	25	12	230	13	5	41	346
5000-5499G	2	1	2	1	31	0	2	6	45
5500-5999G	0	0	0	0	3	0	0	0	3
6000G OR MORE	0	0	1	0	1	0	0	0	2
UNKNOWN	0	0	0	0	0	0	0	1	1
TOTAL	423	571	1,189	325	9,966	326	460	1,088	14,348

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS  
 MANITOBA BUREAU OF STATISTICS

BIRTHS BY  
 ECONOMIC REGION: 1998  
 BOTH SEXES



## **APPENDIX B**

### **STILLBIRTHS BY WEIGHT AND ECONOMIC REGION**

TABLE B1

## STILLBIRTHS BY WEIGHT AND ECONOMIC REGION: 1998

FEMALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	0	0	3	0	11	0	0	1	15
500-999G	0	1	0	0	9	1	0	0	11
1000-1499G	0	0	1	0	4	0	0	0	5
1500-1999G	0	0	0	0	4	0	0	0	4
2000-2499G	0	0	0	0	3	0	0	0	3
2500-2999G	0	0	0	0	9	0	0	1	10
3000-3499G	0	0	0	0	0	0	0	0	0
3500-3999G	0	0	0	0	0	0	0	0	0
4000-4499G	0	0	0	0	1	0	0	0	1
4500-4999G	0	0	0	0	1	0	0	0	1
5000-5499G	0	0	0	0	0	0	0	0	0
5500-5999G	0	0	0	0	0	0	0	0	0
6000G OR MORE	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0
TOTAL	0	1	4	0	42	1	0	2	50

NOTE: ONE UNDER 500G WINNIPEG STILLBIRTH NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

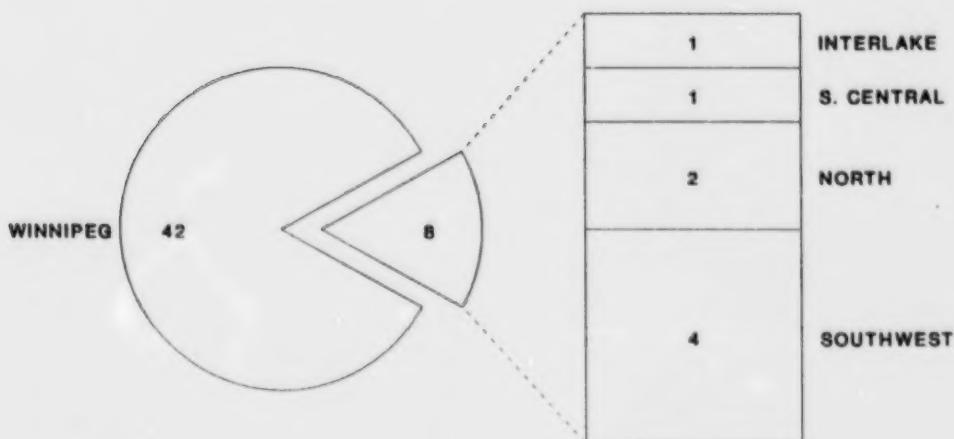
STILLBIRTHS BY  
ECONOMIC REGION: 1998  
FEMALES

TABLE B2

## STILLBIRTHS BY WEIGHT AND ECONOMIC REGION: 1998

MALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	0	1	1	0	21	0	0	0	23
500-999G	0	0	1	1	6	0	0	0	8
1000-1499G	0	1	1	0	5	0	0	1	8
1500-1999G	0	1	0	0	3	0	1	0	5
2000-2499G	0	0	0	0	7	0	0	0	7
2500-2999G	0	0	0	0	2	0	0	0	2
3000-3499G	0	0	0	0	5	0	0	0	5
3500-3999G	0	1	0	0	3	0	0	0	4
4000-4499G	0	0	0	0	2	0	0	0	2
4500-4999G	0	0	0	0	0	0	0	0	0
5000-5499G	0	0	0	0	0	0	0	0	0
5500-5999G	0	0	0	0	0	0	0	0	0
6000G OR MORE	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0
TOTAL	0	4	3	1	54	0	1	1	64

NOTE: ONE UNDER 500G WINNIPEG STILLBIRTH NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

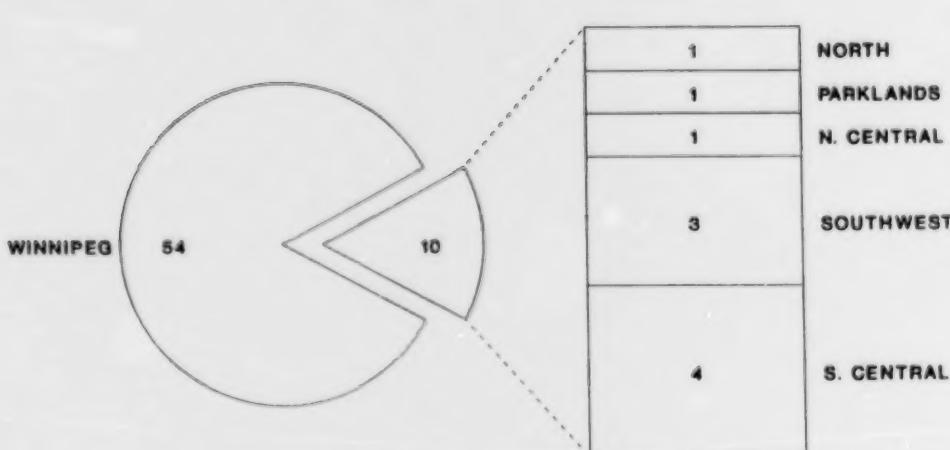
STILLBIRTHS BY  
ECONOMIC REGION: 1998  
MALES

TABLE B3

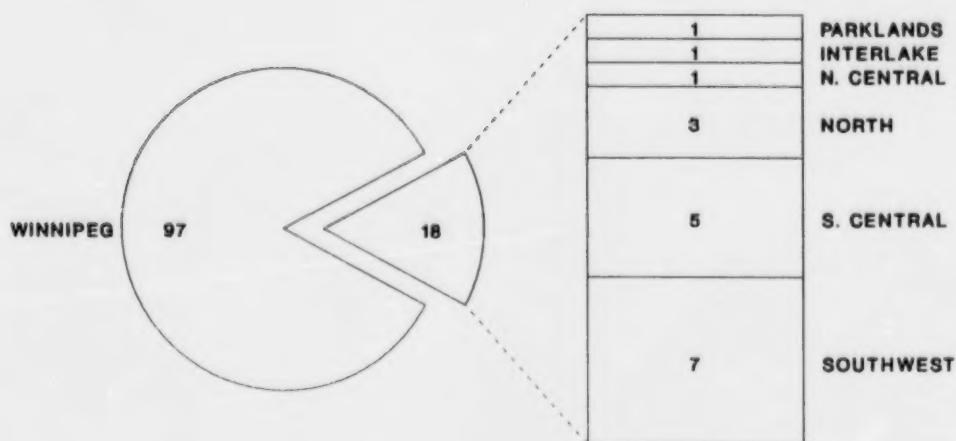
STILLBIRTHS BY WEIGHT AND ECONOMIC REGION: 1998

BOTH SEXES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	0	1	4	0	33	0	0	1	39
500-999G	0	1	1	1	15	1	0	0	19
1000-1499G	0	1	2	0	9	0	0	1	13
1500-1999G	0	1	0	0	7	0	1	0	9
2000-2499G	0	0	0	0	10	0	0	0	10
2500-2999G	0	0	0	0	11	0	0	1	12
3000-3499G	0	0	0	0	5	0	0	0	5
3500-3999G	0	1	0	0	3	0	0	0	4
4000-4499G	0	0	0	0	3	0	0	0	3
4500-4999G	0	0	0	0	1	0	0	0	1
5000-5499G	0	0	0	0	0	0	0	0	0
5500-5999G	0	0	0	0	0	0	0	0	0
6000G OR MORE	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0
TOTAL	0	5	7	1	97	1	1	3	115

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS  
 MANITOBA BUREAU OF STATISTICS

STILLBIRTHS BY  
 ECONOMIC REGION: 1998  
 BOTH SEXES



## **APPENDIX C**

### **DEATHS BY AGE GROUP AND ECONOMIC REGION**

TABLE C1

## DEATHS BY AGE GROUP AND ECONOMIC REGION: 1998

FEMALES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 YEAR	2	0	1	0	34	0	1	1	39
1-4 YEARS	0	0	1	1	4	0	0	4	10
5-9	2	0	0	0	7	1	0	2	12
10-14	1	0	1	0	3	0	1	1	7
15-19	1	0	2	0	8	0	0	4	15
20-24	1	0	0	0	9	0	2	3	15
25-29	2	0	1	0	11	0	0	4	18
30-34	2	3	2	0	12	0	3	1	23
35-39	2	0	4	2	32	0	2	1	43
40-44	1	0	1	1	37	2	1	3	46
45-49	5	2	4	3	47	2	2	3	68
50-54	3	0	11	1	66	4	2	6	93
55-59	7	5	21	3	88	12	6	10	152
60-64	12	5	17	5	137	14	4	11	205
65-69	12	10	29	6	191	16	16	10	290
70-74	16	20	39	16	271	22	29	14	427
75-79	35	26	84	25	418	47	40	15	690
80-84	38	34	76	29	498	42	38	16	771
85-89	38	41	105	39	500	51	41	12	827
90 AND OVER	35	57	129	38	562	59	65	9	954
TOTAL	215	203	528	169	2,935	272	253	130	4,705

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

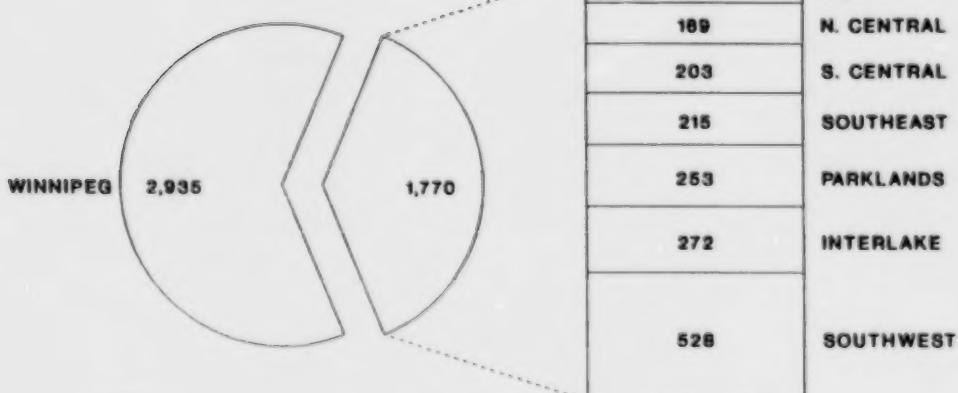
DEATHS BY  
ECONOMIC REGION: 1998  
FEMALES

TABLE C2

## DEATHS BY AGE GROUP AND ECONOMIC REGION: 1998

MALES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 YEAR	0	1	3	2	40	1	0	7	54
1-4 YEARS	1	2	1	0	8	1	0	2	15
5-9	0	1	0	1	1	0	0	2	5
10-14	1	0	2	0	3	2	0	1	9
15-19	4	3	4	3	10	4	1	9	38
20-24	2	4	3	0	25	1	3	6	44
25-29	2	3	3	2	20	0	0	11	41
30-34	0	3	1	0	29	2	4	11	50
35-39	3	2	4	5	45	3	5	7	74
40-44	11	5	4	0	36	5	4	8	73
45-49	4	6	7	3	77	7	6	7	117
50-54	3	1	16	2	82	12	11	14	141
55-59	14	6	27	6	128	13	14	11	219
60-64	17	12	23	8	202	20	17	13	312
65-69	31	13	58	12	277	27	21	24	463
70-74	25	29	70	23	364	43	38	21	613
75-79	36	43	106	15	449	55	49	23	776
80-84	54	52	123	33	472	59	66	22	881
85-89	41	28	115	26	327	47	57	16	657
90 AND OVER	18	36	73	24	196	34	45	10	436
TOTAL	267	250	643	165	2,791	336	341	225	5,018

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

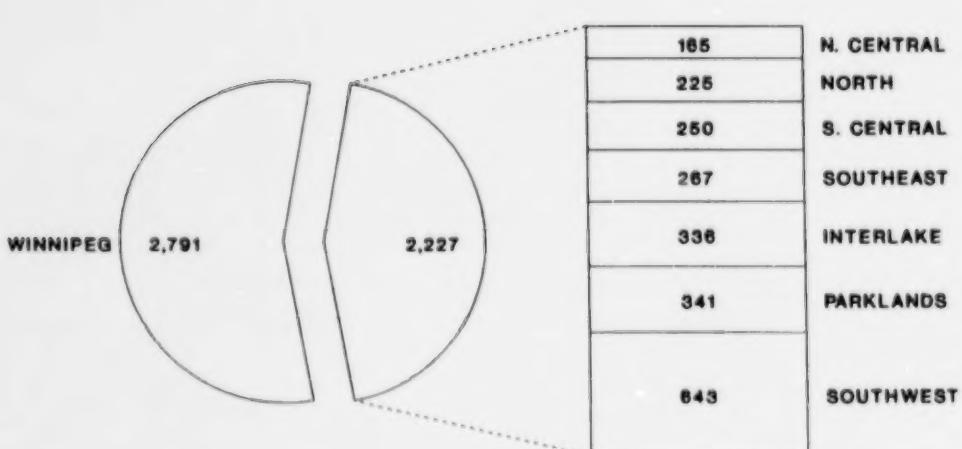
DEATHS BY  
ECONOMIC REGION: 1998  
MALES

TABLE C3

## DEATHS BY AGE GROUP AND ECONOMIC REGION: 1998

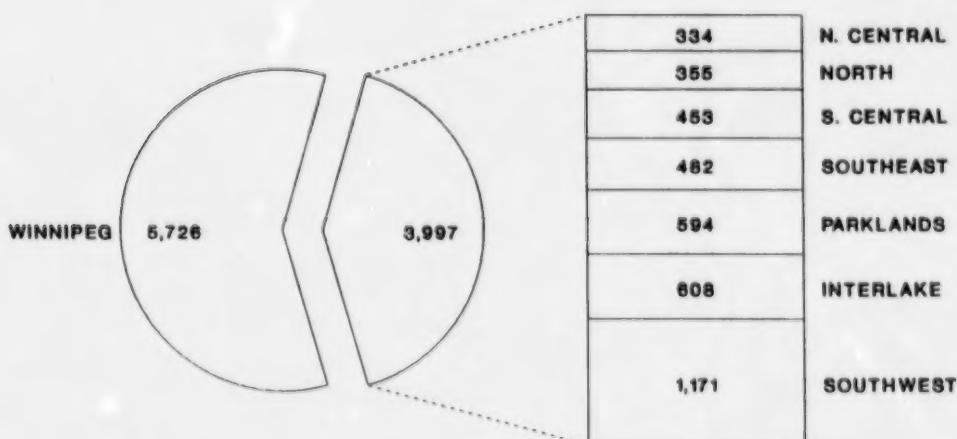
BOTH SEXES

AGE	SOUTH	SOUT.	SOUTH	NORTH	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
	EAST	CENTRAL	WEST	CENTRAL					
<b>1995</b>									
UNDER 1 YEAR	2	1	4	2	74	1	1	8	93
1-4 YEARS	1	2	2	1	12	1	0	6	25
5-9	2	1	0	1	8	1	0	4	17
10-14	2	0	3	0	6	2	1	2	16
15-19	5	3	6	3	18	4	1	13	53
20-24	3	4	3	0	34	1	5	9	59
25-29	4	3	4	2	31	0	0	15	59
30-34	2	6	3	0	41	2	7	12	73
35-39	5	2	8	7	77	3	7	8	117
40-44	12	5	5	1	73	7	5	11	119
45-49	9	8	11	6	124	9	8	10	185
50-54	6	1	27	3	148	16	13	20	234
55-59	21	11	48	9	216	25	20	21	371
60-64	29	17	40	13	339	34	21	24	517
65-69	43	23	87	18	468	43	37	34	753
70-74	41	49	109	39	635	65	67	35	1,040
75-79	71	69	190	40	867	102	89	38	1,466
80-84	92	86	199	62	970	101	104	38	1,652
85-89	79	69	220	65	827	98	98	28	1,484
90 AND OVER	53	93	202	62	758	93	110	19	1,390
TOTAL	482	453	1,171	334	5,726	608	594	355	9,723

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

**DEATHS BY  
ECONOMIC REGION: 1998  
BOTH SEXES**



**APPENDIX D**

**INFANT DEATHS BY AGE AND ECONOMIC REGION**

TABLE D1

## INFANT DEATHS BY AGE AND ECONOMIC REGION: 1998

FEMALES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 DAY	1	0	0	0	12	0	1	0	14
1 - 6 DAYS	0	0	0	0	9	0	0	0	9
7 - 13 DAYS	0	0	0	0	1	0	0	0	1
14 - 27 DAYS	0	0	0	0	3	0	0	0	3
28 - 91 DAYS	1	0	1	0	4	0	0	1	7
92 DAYS - 6 MONTHS	0	0	0	0	2	0	0	0	2
6 MONTHS - 1 YEAR	0	0	0	0	3	0	0	0	3
INFANT	2	0	1	0	34	0	1	1	39
NEONATAL	1	0	0	0	25	0	1	0	27
POST-NEONATAL	1	0	1	0	9	0	0	1	12
STILLBIRTHS	0	1	4	0	42	1	0	2	50
PERINATAL	1	1	4	0	63	1	1	2	73

NOTE: INFANT IS A DEATH UNDER 1 YEAR OF AGE.

NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS.

POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER.

PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH.

ONE WINNIPEG STILLBIRTH NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

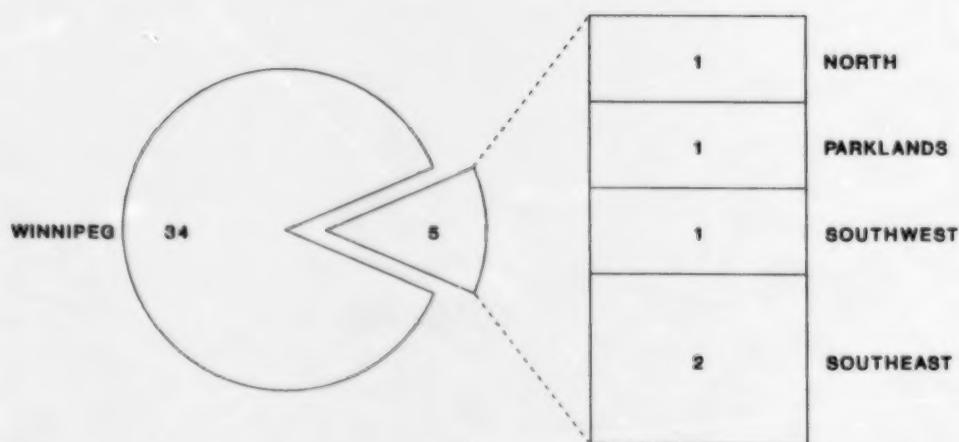
INFANT DEATHS BY  
ECONOMIC REGION: 1998  
FEMALES

TABLE D2

## INFANT DEATHS BY AGE AND ECONOMIC REGION: 1998

MALES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 DAY	0	1	2	1	15	0	0	2	21
1 - 6 DAYS	0	0	0	0	7	0	0	0	7
7 - 13 DAYS	0	0	0	0	2	0	0	0	2
14 - 27 DAYS	0	0	0	0	6	1	0	1	8
28 - 91 DAYS	0	0	1	1	4	0	0	2	8
92 DAYS - 6 MONTHS	0	0	0	0	4	0	0	2	6
6 MONTHS - 1 YEAR	0	0	0	0	2	0	0	0	2
INFANT	0	1	3	2	40	1	0	7	54
NEONATAL	0	1	2	1	30	1	0	3	38
POST-NEONATAL	0	0	1	1	10	0	0	4	16
STILLBIRTHS	0	4	3	1	54	0	1	1	64
PERINATAL	0	5	5	2	76	0	1	3	92

NOTE: INFANT IS A DEATH UNDER 1 YEAR OF AGE.

NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS.

POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER.

PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH.

ONE WINNIPEG STILLBIRTH NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

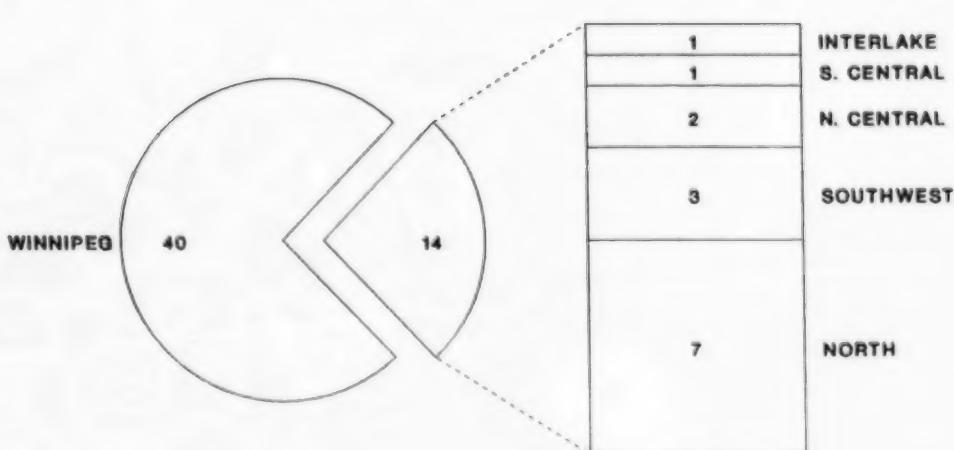
INFANT DEATHS BY  
ECONOMIC REGION: 1998  
MALES

TABLE D3

INFANT DEATHS BY AGE AND ECONOMIC REGION: 1998

BOTH SEXES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 DAY	1	1	2	1	27	0	1	2	35
1 - 6 DAYS	0	0	0	0	16	0	0	0	16
7 - 13 DAYS	0	0	0	0	3	0	0	0	3
14 - 27 DAYS	0	0	0	0	9	1	0	1	11
28 - 91 DAYS	1	0	2	1	8	0	0	3	15
92 DAYS - 6 MONTHS	0	0	0	0	6	0	0	2	8
6 MONTHS - 1 YEAR	0	0	0	0	5	0	0	0	5
INFANT	2	1	4	2	74	1	1	8	93
NEONATAL	1	1	2	1	55	1	1	3	65
POST-NEONATAL	1	0	2	1	19	0	0	5	28
STILLBIRTHS	0	5	7	1	97	1	1	3	115
PERINATAL	1	6	9	2	140	1	2	5	166

NOTE: INFANT IS A DEATH UNDER 1 YEAR OF AGE.

NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS.

POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER.

PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

**INFANT DEATHS BY  
ECONOMIC REGION: 1998  
BOTH SEXES**

